

Denny E. Frost
 District I: P.O. Box 1980, Hondo, TX 78861
 District II: P.O. Drawer DD, Artesia, NM 88210
 District III: 1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
 Energy, Minerals and Natural Resources Department

DEPUTY OIL & GAS INSPECTOR

FEB 26 1996

OIL CONSERVATION DIVISION
 2040 South Pacheco Street
 Santa Fe, New Mexico 87505

SUBMIT 1 COPY TO
 APPROPRIATE
 DISTRICT OFFICE
 AND 1 COPY TO
 SANTA FE OFFICE

Approval

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Caulkins)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Breech E #54			
Location:	Unit A	Sec 4	T 26 N R 6 W County Rio Arriba
Pit Type:	Separator	Dehydrator <input checked="" type="checkbox"/>	Other
Land Type:	BLM <input checked="" type="checkbox"/>	State	Fee Other

Pit Location:	Pit dimensions:	length 15	width 15	depth 3
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/>	other	
Footage from reference:		250'		
Direction from reference:		10 Degrees	East <input checked="" type="checkbox"/>	North
			West	South <input checked="" type="checkbox"/>

Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	0

Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)	Yes	(20 points)	
	No	(0 points)	0

Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)	
	200 feet to 1,000 feet	(10 points)	
	Greater than 1,000 feet	(0 points)	0

RANKING SCORE (TOTAL POINTS):	0
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Breach E #54

Date Remediation Started: 7/22/97

Date Completed: 7/22/97

Remediation Method: Excavation ☒ Approx. Cubic Yard 117

(Check all appropriate sections)

Landfarmed ☒ Amount Landfarmed (cubic yds) 117

Other

Remediation Location: Onsite ☒ Offsite

(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 24' X 22' X 6' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil met regulatory levels.

Ground Water Encountered: No ☒ Yes Depth

Final Pit Closure Sampling:

Sample Location 5 pt. composite - 4 side walls and center of pit bottom.

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 4' walls and 6' bottom.

Sample date 7/22/97 Sample time 10:30:00 AM

Sample Results

Benzene (ppm) < 0.0500

Total BTEX (ppm) 4.8690

Field headspace (ppm)

TPH (ppm) 32.00 Method 8015A

Vertical Extent (ft) Risk Assessment form attached Yes No

Ground Water Sample: Yes No ☒ (If yes, see attached Groundwater Site Summary Report)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE October 27, 1997

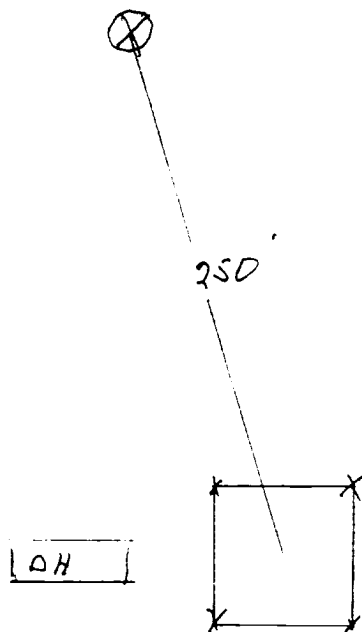
SIGNATURE

PRINTED NAME AND TITLE Denver Bearden
Administrator III

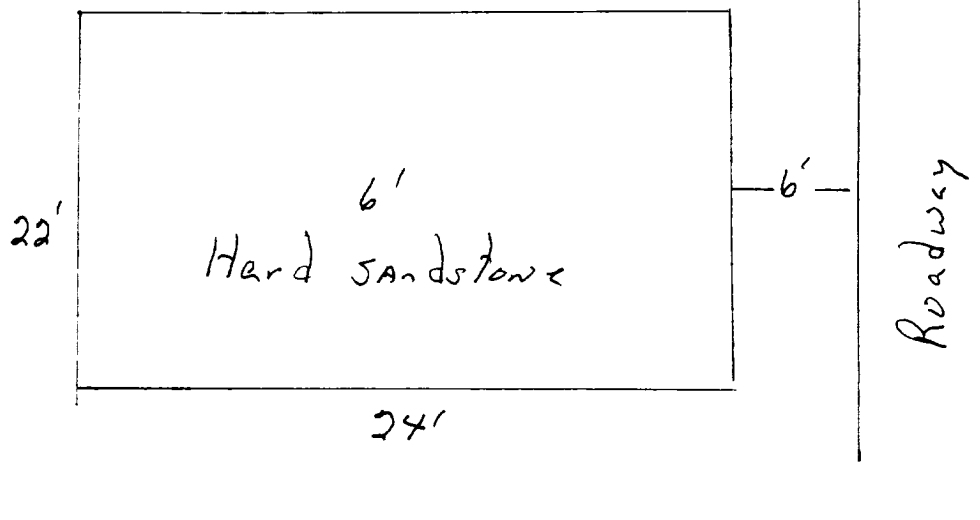
Breach E # 54
Cankins Oil
Sec. 4, 26N, 6W, A

7-22-97

start of excavation:



End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *1-Aug-97*
COC No.: *5929*
Sample No.: *15443*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #54*
Project Location: *9707221030; Composite, 4 Walls @ 4' and Bottom @ 6'*
Sampled by: *GC* Date: *22-Jul-97* Time: *10:30*
Analyzed by: *HR/DC* Date: *24-Jul-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>32</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>186</i>	<i>7.4</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>89</i>	<i>96</i>	<i>(70-130)</i>	<i>8</i>	<i>20%</i>

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: *[Signature]*
Date: *8/1/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *31-Jul-97*
COC No.: *5929*
Sample No.: *15443*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #54*
Project Location: *9707221030; Composite, 4 Walls @ 4' and Bottom @ 6'*
Sampled by: *GC* Date: *22-Jul-97* Time: *10:30*
Analyzed by: *DC* Date: *24-Jul-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	50	ug/kg
<i>Toluene</i>	375	ug/kg	50	ug/kg
<i>Ethylbenzene</i>	181	ug/kg	50	ug/kg
<i>m,p-Xylene</i>	3378	ug/kg	50	ug/kg
<i>o-Xylene</i>	936	ug/kg	50	ug/kg
	<i>TOTAL</i>	4869	ug/kg	

ND - Not Detected at Limit of Quantitation

Method - *SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography*

Approved by: *[Signature]*
Date: *7/31/97*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

N

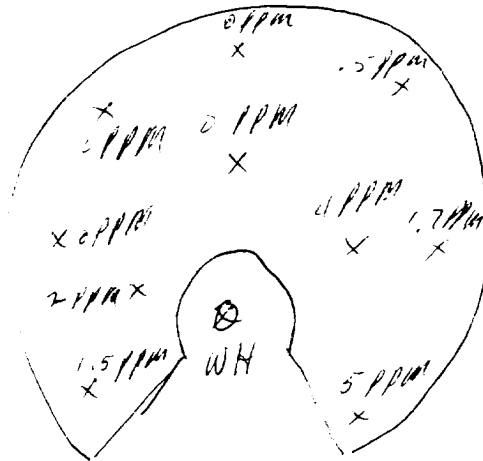
8-14-97 - @ 1230

Breach E #54

(B) 4-26N-66W

Ranch farm field head space - 1.5 PPM

sample # 9708141230



2" - 12" Depth

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *19-Aug-97*
COC No.: *5203*
Sample No.: *15803*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #54 Landfarm*
Project Location: *9708141230; Composite Sample*
Sampled by: *RH* Date: *14-Aug-97* Time: *12:30*
Analyzed by: *HR/DC* Date: *18-Aug-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>18</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>183</i>	<i>8.9</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>83</i>	<i>82</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
Date: *8/19/97*

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